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## (54) LIGHTING SYSTEM AND IMAGE DISPLAY UNIT

## (57)Abstract:

**PROBLEM TO BE SOLVED:** To reduce consumption of power, miniaturize a unit, and gain even illuminance distribution, by prolonging the life of a light source and improving utilization efficiency of light.

**SOLUTION:** Each illumination light of red, green, and blue, emitted from light-emitting diodes 11R, 11G, and 11B is equalized by colored scopes 12R, 12G, and 12B respectively, projected on image display light bulbs 21R, 21G, and 21B per color through a relay lens and a field lens, specially intensity-modulated, compounded by a composite prism 20, and magnification projected on a screen 26 by a projection lens 25.

